

Sustainability in Cloud Platforms: Comparative Analysis Template

Research & data collection

Use the provided **Sustainability Practices Summary Data** to collect key sustainability metrics for GCP, Azure, and AWS. Fill in the table below with your findings.

Metric	GCP	Azure	AWS
Renewable energy percentage/ energy mix			
Data center efficiency measures			
Commitment to carbon neutrality goals			
Carbon emission offsets			
Transparency in reporting emissions and sustainability efforts			
Sustainable AI innovations			

Evaluation and analysis

Based on your research, list key strengths and weaknesses of each provider in terms of environmental sustainability.

Cloud provider	Strengths	Weaknesses
GCP		
Azure		
AWS		

Ethical implications

Consider the ethical concerns related to AI supply chains when using GCP, Azure, and AWS for AI workloads. Complete the table below by summarizing key ethical risks and considerations for each cloud provider.

Ethical concern	GCP	Azure	AWS
Hidden environmental costs (e.g., reliance on fossil fuels, water usage for cooling, indirect emissions from supply chains)			
Transparency in sustainability claims (e.g., clear vs. vague reporting, greenwashing risks, reliance on carbon offsets vs. real reductions)			
Long-term accountability (e.g., realistic vs. aspirational sustainability goals, mechanisms for enforcing commitments, balancing scalability with sustainability)			